

1.0 AMENDMENT

1.1 IN THE CLAIMS:

1.-32. (Cancelled)

33. (Withdrawn) A treated article comprising:

(a) a substrate, and

(b) a hydrophobic film on a surface of said substrate, said film obtainable from a hydrophobic surface treatment composition that comprises:

(i) from about 1% to about 5% by weight of the reaction product obtained by reacting an amino-functional polydimethylsiloxane and 1,2-epoxytetradecane, in the presence of a base;

(ii) from about 75% to about 99.5% by weight of a solvent; and

(iii) from about 1% to about 15% by weight of a cosolvent.

34. (Withdrawn) The treated article of claim 33, wherein said solvent is selected from the group consisting of ethylene glycol, ethylene glycol monobutyl ether, ethylene glycol acetate monoethyl ether, diethylene glycol, diethylene glycol monobutyl ether, diacetone alcohol, toluene, xylene, ethyl acetate, butyl acetate, methyl ethyl ketone, methyl isobutyl ketone, methyl ethyl ketoxime, (mono)propylene glycol tertiary butyl ether, propoxypropanol, mineral spirits, and an isoparaffin.

35. (Withdrawn) The treated article of claim 33, wherein said solvent is selected from the group consisting of water, methanol, ethanol, isopropanol, isobutanol, 1-propanol, 2-propanol, 3-propanol, 1-butanol, 2-butanol, 3-butanol, tert-butyl alcohol, methyl butanol,

dimethyl butanol, cyclohexanol, phenol, tert-butyl phenol, 2-ethylhexanol, 2-ethoxyethanol, 1-dodecanol, and mixtures thereof.

36. (Withdrawn) The treated article of claim 33, wherein said solvent has a boiling point ranging from about 100°F to about 400°F.
37. (Withdrawn) The treated article of claim 36, wherein said solvent has a boiling point ranging from about 150°F to about 350°F.
38. (Withdrawn) The treated article of claim 33, wherein said solvent comprises from about 90% to about 99.5% by weight of said hydrophobic surface treatment composition.
39. (Withdrawn) The treated article of claim 38, wherein said solvent comprises from about 90% to about 95% by weight of said hydrophobic surface treatment composition.
40. (Withdrawn) The treated article of claim 33, wherein said cosolvent is selected from the group consisting of alkyl or aryl, substituted or unsubstituted alcohols, ethers, esters, or hydrocarbons having between 1 and 40 carbon atoms, and water.
41. (Withdrawn) The treated article of claim 33, wherein said solvent is an alcohol and said cosolvent is an ether.
42. (Withdrawn) The treated article of claim 41, wherein said solvent is isopropanol and said cosolvent is ethylene glycol monobutyl ether.
43. (Withdrawn) The treated article of claim 33, wherein said hydrophobic surface treatment composition is substantially free of an external curing agent.
44. (Withdrawn) The treated article of claim 33, wherein said hydrophobic surface treatment composition further comprises a catalyst.

45. (Withdrawn) The treated article of claim 44, wherein said catalyst is an acid, or a metal salt of an organic acid.
46. (Withdrawn) The treated article of claim 45, wherein said catalyst is an acid selected from the group consisting of acetic acid, sulfuric acid, nitric acid, phosphoric acid, and hydrochloric acid.
47. (Withdrawn) The treated article of claim 46, wherein said catalyst is acetic acid or sulfuric acid.
48. (Withdrawn) The treated article of claim 45, wherein said catalyst is a metal salt of an organic acid.
49. (Withdrawn) The treated article of claim 48, wherein said metal is selected from any element of Groups IIB, IIIB, IVB, IIIA, and IVA of the Periodic Table of Elements.
50. (Withdrawn) The treated article of claim 48, wherein said catalyst is stannous octoate.
51. (Withdrawn) The treated article of claim 33, wherein said hydrophobic surface treatment composition comprises:
 - (a) about 1% by weight of the reaction product obtained by reacting an amino-functional polydimethylsiloxane having a viscosity of 20 cps with 1,2-epoxytetradecane in the presence of a base;
 - (b) about 93.9% by weight of a solvent; and
 - (c) about 5% by weight of a cosolvent.
52. (Withdrawn) The treated article of claim 34, wherein said hydrophobic surface treatment composition comprises:

- (a) about 1% by weight of the reaction product obtained by reacting an amino-functional polydimethylsiloxane having a viscosity of 20 cps and 1,2-epoxytetradecane in the presence of a base;
- (b) about 93.9% by weight of isopropyl alcohol;
- (c) about 5% by weight of ethylene glycol monobutyl ether; and
- (d) about 0.1% by weight of stannous octoate.

53. (Withdrawn) The treated article of claim 33, wherein said hydrophobic film is formed on said surface by evaporation of said solvent.

54. (Withdrawn) The treated article of claim 53, wherein said evaporation occurs at ambient temperature.

55. (Withdrawn) The treated article of claim 53, wherein said evaporation is effected by heating.

56. (Withdrawn) The treated article of claim 33, wherein said substrate is selected from the group consisting of glass, metal, wood, and polymers.

57. (Withdrawn) The treated article of claim 56, wherein said substrate is glass.

58. (Withdrawn) The treated article of claim 57, wherein said article is a window, or a windshield of an automobile, airplane, or other vehicle.

59. (Withdrawn) The treated article of claim 33, wherein the hydrophobicity of said film on said surface of said substrate is determined according to ASTM Standard D5725-99.

60. (Withdrawn) The treated article of claim 59, wherein measurement of the contact angle of water droplets on said treated surface is indicative of the hydrophobicity of said film.
61. (Withdrawn) The treated article of claim 59, wherein said contact angle of water droplets on said treated surface ranges from about 80° to greater than about 105°.
62. (Withdrawn) The treated article of claim 61, wherein said contact angle of water droplets on said treated surface is greater than about 85°.
63. (Withdrawn) The treated article of claim 62, wherein said contact angle of water droplets on said treated surface is greater than about 90°.
64. (Withdrawn) The treated article of claim 63, wherein said contact angle of water droplets on said treated surface is greater than about 95°.
65. (Withdrawn) The treated article of claim 60, wherein said contact angle of water droplets on said treated surface is greater than about 60° after more than about 1,000 wiper cycles.
66. (Withdrawn) The treated article of claim 65, wherein said contact angle of water droplets on said treated surface is greater than about 60° after more than about 5,000 wiper cycles.
67. (Withdrawn) The treated article of claim 66, wherein said contact angle of water droplets on said treated surface is greater than about 60° after more than about 10,000 wiper cycles.
68. (Withdrawn) The treated article of claim 67, wherein said contact angle of water droplets on said treated surface is greater than about 60° after more than about 15,000 wiper cycles.

69. (Withdrawn) The treated article of claim 68, wherein said contact angle of water droplets on said treated surface is greater than about 60° after more than about 20,000 wiper cycles.

70. (Withdrawn) A treated article comprising:

(a) a substrate, and

(b) a hydrophobic film on a surface of said substrate, said film obtainable from a hydrophobic surface treatment composition that comprises:

(i) from about 1% to about 5% by weight of the reaction product obtained by reacting an amino-functional polydimethylsiloxane having a viscosity of about 20 cps and 1,2-epoxytetradecane in the presence of a base;

(ii) from about 75% to about 99.5% by weight of a solvent;

(iii) from about 1% to about 15% by weight of a cosolvent; and

(iv) about 0.1% by weight of a catalyst.

71. (Withdrawn) A hydrophobic surface treatment composition comprising:

(a) from about 1% to about 5% by weight of the reaction product obtained by reacting an amino-functional polydimethylsiloxane and 1.5 milliequivalents of base per gram of fluid with 1,2-epoxytetradecane;

(b) from about 75% to about 99.5% by weight of a solvent;

(c) from about 1% to about 15% by weight of a cosolvent; and

- (d) about 0.1% by weight of a catalyst.

72. (Withdrawn) The composition of claim 71, wherein said solvent is alcohol, said cosolvent is an ether, or said catalyst is a metal salt of an organic acid.

73. (Withdrawn) The composition of claim 72, wherein said solvent is isopropanol, said cosolvent is ethylene glycol monobutyl ether, or said catalyst is stannous octoate.

74. (Withdrawn) The composition of claim 73, wherein said solvent is isopropanol, said cosolvent is ethylene glycol monobutyl ether, and said catalyst is stannous octoate.

75. (Withdrawn) The composition of claim 71, further comprising a plasticizer, and antioxidant, a light stabilizer, a mildecide, a fungicide, a surfactant, or a flow control additive.

76. (Previously Presented) A hydrophobic surface treatment composition comprising:

- (a) about 2% by weight of a methoxy functionalized polysiloxane having a viscosity of about 20 cps at 25°C;
- (b) about 97.4% by weight of a solvent; and
- (c) about 0.6% by weight of acetic acid.

77. (Previously Presented) A method of manufacturing a treated surface, comprising applying a hydrophobic surface treatment composition in accordance with claim 71 or claim 76 to a surface of a substrate, said surface having at least one hydroxyl group attached thereon.

78. (Previously Presented) The method of claim 77, wherein said substrate is selected from the group consisting of glass, metal, wood, and polymers.

79. (Previously Presented) The method of claim 78, wherein said substrate is glass.

80. (Previously Presented) The method of claim 77, wherein a hydrophobic film is formed on said surface by evaporation of a solvent in said composition.
81. (Previously Presented) The method of claim 80, wherein evaporation of said solvent occurs at ambient temperature.
82. (Previously Presented) The method of claim 80, wherein evaporation of said solvent is effected by heating.